

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021324\
 Data File : VD078400.D
 Acq On : 13 Feb 2024 11:26
 Operator : RP/MD
 Sample : VSTDICC020
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 14 00:49:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 00:36:44 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 02/14/2024
 Supervised By :Semsettin Yesilyurt 02/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	143406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	254345	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	236206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	114679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33877	21.848	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	43.700%#		
35) Dibromofluoromethane	7.804	113	35281	21.837	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	43.680%#		
50) Toluene-d8	10.269	98	134816	20.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	41.720%#		
62) 4-Bromofluorobenzene	12.575	95	39668	21.091	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	42.180%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	27731	19.626	ug/l	97
3) Chloromethane	2.152	50	56277	21.673	ug/l	98
4) Vinyl Chloride	2.281	62	84812	21.404	ug/l	99
5) Bromomethane	2.681	94	55832	20.414	ug/l	99
6) Chloroethane	2.834	64	64186	22.215	ug/l	96
7) Trichlorofluoromethane	3.175	101	56965	21.312	ug/l	92
8) Diethyl Ether	3.593	74	17035	22.127	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.969	101	36038	21.372	ug/l	97
10) Methyl Iodide	4.164	142	32663	21.627	ug/l #	89
11) Tert butyl alcohol	5.069	59	10778	125.435	ug/l #	93
12) 1,1-Dichloroethene	3.940	96	33247	21.267	ug/l	92
13) Acrolein	3.805	56	16178	112.938	ug/l	93
14) Allyl chloride	4.558	41	42450	21.980	ug/l	90
15) Acrylonitrile	5.252	53	37897	114.987	ug/l	97
16) Acetone	4.028	43	40453	121.299	ug/l	89
17) Carbon Disulfide	4.269	76	115171	21.894	ug/l	99
18) Methyl Acetate	4.575	43	14995	16.460	ug/l	93
19) Methyl tert-butyl Ether	5.322	73	71058	21.394	ug/l	99
20) Methylene Chloride	4.805	84	42990	22.794	ug/l #	89
21) trans-1,2-Dichloroethene	5.316	96	39261	21.348	ug/l	94
22) Diisopropyl ether	6.222	45	94496	22.200	ug/l	93
23) Vinyl Acetate	6.158	43	248783m	129.771	ug/l	
24) 1,1-Dichloroethane	6.116	63	65639	21.768	ug/l	98
25) 2-Butanone	7.081	43	51851	124.285	ug/l	90
26) 2,2-Dichloropropane	7.069	77	53685	21.237	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	42560	21.093	ug/l	92
28) Bromochloromethane	7.428	49	28580	23.929	ug/l #	78
29) Tetrahydrofuran	7.452	42	25815	111.950	ug/l	86
30) Chloroform	7.599	83	68666	21.522	ug/l	89
31) Cyclohexane	7.875	56	54273	20.692	ug/l	94
32) 1,1,1-Trichloroethane	7.793	97	58404	21.471	ug/l	99
36) 1,1-Dichloropropene	8.010	75	53422	21.285	ug/l #	63
37) Ethyl Acetate	7.175	43	20654	23.475	ug/l #	92
38) Carbon Tetrachloride	7.987	117	51820	20.848	ug/l	96
39) Methylcyclohexane	9.275	83	59387	19.931	ug/l	91
40) Benzene	8.252	78	153908	21.215	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	9539	20.832	ug/l #	92
42) 1,2-Dichloroethane	8.328	62	39908	21.260	ug/l	95
43) Isopropyl Acetate	8.357	43	36442	22.368	ug/l	93
44) Trichloroethene	9.028	130	38401	20.748	ug/l	83
45) 1,2-Dichloropropane	9.304	63	39754	22.334	ug/l	98
46) Dibromomethane	9.393	93	21134	21.109	ug/l	88
47) Bromodichloromethane	9.587	83	52830	21.305	ug/l	99
48) Methyl methacrylate	9.387	41	16892	19.543	ug/l #	78
49) 1,4-Dioxane	9.393	88	4896	451.565	ug/l #	93
51) 4-Methyl-2-Pentanone	10.157	43	96322	111.393	ug/l	90
52) Toluene	10.334	92	94933	20.693	ug/l	97
53) t-1,3-Dichloropropene	10.557	75	47926	21.181	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	59257	21.597	ug/l #	90
55) 1,1,2-Trichloroethane	10.734	97	28176	20.898	ug/l	92
56) Ethyl methacrylate	10.598	69	30135	24.167	ug/l #	82
57) 1,3-Dichloropropane	10.881	76	47949	20.906	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	76747	104.487	ug/l	93
59) 2-Hexanone	10.922	43	76273	117.373	ug/l	87
60) Dibromochloromethane	11.075	129	34549	21.298	ug/l	100
61) 1,2-Dibromoethane	11.181	107	26308	20.784	ug/l	99
64) Tetrachloroethene	10.810	164	30382	20.364	ug/l	91
65) Chlorobenzene	11.610	112	100289	21.119	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	35494	20.339	ug/l	98
67) Ethyl Benzene	11.687	91	172635	20.290	ug/l	99
68) m/p-Xylenes	11.793	106	134626	40.564	ug/l	90
69) o-Xylene	12.122	106	61643	20.353	ug/l	89
70) Styrene	12.134	104	107370	21.722	ug/l	97
71) Bromoform	12.298	173	18318	19.943	ug/l #	99
73) Isopropylbenzene	12.422	105	159668	20.735	ug/l	94
74) N-amyl acetate	12.234	43	33900	23.270	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.669	83	33114	21.678	ug/l	98
76) 1,2,3-Trichloropropane	12.728	75	18512m	18.965	ug/l	
77) Bromobenzene	12.704	156	36316	20.067	ug/l	80
78) n-propylbenzene	12.763	91	204982	21.360	ug/l	95
79) 2-Chlorotoluene	12.851	91	110222	21.445	ug/l	94
80) 1,3,5-Trimethylbenzene	12.904	105	133598	20.893	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	10018	21.362	ug/l	91
82) 4-Chlorotoluene	12.945	91	116537	21.111	ug/l	95
83) tert-Butylbenzene	13.169	119	110322	20.458	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	134903	20.788	ug/l	96
85) sec-Butylbenzene	13.345	105	176769	21.137	ug/l	96
86) p-Isopropyltoluene	13.463	119	142534	20.009	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	78059	20.209	ug/l	99
88) 1,4-Dichlorobenzene	13.539	146	78709	20.739	ug/l	98
89) n-Butylbenzene	13.787	91	139989	20.389	ug/l	94
90) Hexachloroethane	14.057	117	30199	20.627	ug/l	87
91) 1,2-Dichlorobenzene	13.834	146	68877	21.235	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	4505	22.523	ug/l	96
93) 1,2,4-Trichlorobenzene	15.104	180	38456	20.174	ug/l	99
94) Hexachlorobutadiene	15.204	225	19929	20.030	ug/l	98
95) Naphthalene	15.334	128	72370	20.469	ug/l	96
96) 1,2,3-Trichlorobenzene	15.522	180	32114	19.878	ug/l	98

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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